

Listing of Claims:

1. (previously presented) A computer-implemented method of locating one or more remote databases containing a desired type of data, comprising:
 - searching for at least one remote database accessible via a network of computer systems;
 - determining whether each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data;
 - storing location information for each remote database found during the searching if the remote database is comprised of the desired type of data;
 - determining whether a correlation exists between at least some of the data of the desired type contained in the at least one remote database and at least some of the data of the desired type contained in a predefined data set; and
 - if the correlation exists, storing an indication of the correlation in association with the stored location information for the at least one remote database.

2. (original) The method of claim 1, further comprising:
 - selecting at least one remote database found during searching that is comprised of the desired type of data for use in a predetermined data analysis;
 - retrieving data from the selected remote database via the network of computer systems;
 - and
 - using the data retrieved from the selected remote database in the predetermined data analysis.

3. (original) The method of claim 2, further comprising for at least one remote database found during the searching that is comprised of the desired type of data:

storing an indication that the remote database is comprised of data that has been used in the predetermined data analysis.

4. (original) The method of claim 3, further comprising for at least one remote database that is comprised of data that has been used in the predetermined data analysis:

determining at a predetermined time interval whether the database has changed; and
if the database has changed, updating the predetermined data analysis using the changed data.

5. (previously presented) The method of claim 4, wherein the predetermined time interval is determined on the basis of the frequency of the time series data.

6. (original) The method of claim 4, further comprising for the at least one predetermined data analysis that has been updated:

providing an indication to a predetermined user that the predetermined data analysis has been updated.

7. (original) The method of claim 4, further comprising for the at least one predetermined data analysis that has been updated:

providing the updated predetermined data analysis to a predetermined user.

8. (original) The method of claim 2, wherein the predetermined data analysis is a forecast.
9. (original) The method of claim 8, wherein the forecast is an economic, demographic or meteorological forecast.
10. (original) The method of claim 2, wherein the predetermined data analysis is specified by a user.
11. (original) The method of claim 2, further comprising:
selecting at least one local database specified by a user, wherein the local database is comprised of the desired type of data for use in a predetermined data analysis;
retrieving data from the selected local database via the network of computer systems; and
using the data retrieved from the selected local database in the predetermined data analysis.
12. (original) The method of claim 1, further comprising:
storing information about the number of times that a remote database containing the desired type of data is used in at least one predetermined data analysis; and
if the number times the remote database is used in the predetermined data analysis exceeds a predefined value, storing locally the data used in the predetermined analysis.
13. (original) The method of claim 1, further comprising:

receiving a specification of the desired type of data before the searching and the storing.

14. (cancelled)

15. (original) The method of claim 1, further comprising:

determining the type of data relevant to a predetermined analysis before the searching and the storing.

16. (original) The method of claim 1, further comprising for each remote database found during the searching that is comprised of the desired type of data:

determining information about at least one characteristic of the remote database; and

storing the information about the at least one characteristic of the remote database in association with the location information for the remote database.

17. (original) The method of claim 16, wherein the information about the at least one characteristic of the remote database is selected from the group consisting of data frequency, data units, data scale, data source, data update date, and number of data points.

18. (original) The method of claim 17, wherein data frequency value is determined by calculating a time interval between individual data values of the desired type that are contained in the remote database.

19. (original) The method of claim 16, wherein the at least one characteristic of the remote database is determined from at least one XML data definition tag that is associated with the remote database.

20. (original) The method of claim 16, further comprising:
receiving from a user a specification of a desired remote database characteristic;
searching the stored remote database characteristic information; and
identifying one or more remote databases having the desired remote database characteristic.

21. (original) The method of claim 20, further comprising:
providing information to the user identifying the one or more remote databases having the desired remote database characteristic.

22. (previously presented) The method of claim 1, wherein the searching for remote databases accessible via the network of computer systems comprises:
reading network address information for at least one computer system within the network of computer systems;
accessing the at least one computer system based on the network address information;
and
retrieving information from the at least one computer system sufficient to determine whether the at least one computer system provides access to at least one remote database.

23. (original) The method of claim 22, further comprising using predefined communications protocol to access the at least one computer system and to process the information retrieved from the at least one computer system.

24. (original) The method of claim 23, wherein the predefined communications protocol is TCP/IP.

25. (original) The method of claim 22, further comprising using predefined database formatting information to access the at least one computer system and to process the information retrieved from the at least one computer system.

26. (original) The method of claim 25, wherein the predefined database formatting information is comprised of a plurality of predefined database format definitions.

27. (original) The method of claim 1, wherein the searching for remote databases within the network of computer systems further comprises:

reading uniform resource locator (URL) information corresponding to at least one computer system accessible via the Internet;

accessing the at least one computer system via the Internet;

determining whether the at least one computer system provides access to at least one remote database; and

storing location information for the at least one computer system if the at least one computer system provides access to the at least one remote database.

28. (original) The method of claim 1, wherein the determining whether the at least one remote database is comprised of data of a desired type is further comprised of:

retrieving HTML formatted information from each computer system found that provides access to at least one remote database; and

parsing the retrieved HTML formatted information to determine whether the at least one remote database is comprised of data of the desired type.

29. (original) The method of claim 28, wherein the HTML formatted information is comprised of a meta tag.

30. (original) The method of claim 1, wherein the determining whether the at least one remote database is comprised of data of the desired type is further comprised of:

retrieving XML formatted information from each computer system that provides access to at least one remote database; and

parsing the retrieved XML formatted information to determine whether the at least one remote database is comprised of data of the desired type.

31. (previously presented) The method of claim 1, further comprising for each remote database found during the searching that is comprised of the desired type of data:

storing an indication of whether the remote database is comprised of time series data in association with the location information for the remote database.

32. (cancelled)

33. (previously presented) The method of claim 31, further comprising:
for each of the time series of data, identifying at least one characteristic of the time series
of data; and

storing characteristic information for each time series of data in association with the
location information for the remote database in which the time series of data is contained.

34. (cancelled)

35. (previously presented) The method of claim 33, wherein the characteristic
information is comprised of:

a number of data points in the at least one time series of data.

36. (previously presented) The method of claim 33, wherein the characteristic
information is comprised of:

a starting time of the time series of data;

an ending time of the time series of data; and

a time interval between each of the data points contained in the time series of data.

37. (previously presented) The method of claim 33, wherein the characteristic
information is comprised of:

data series format information, wherein the data series format information is comprised of information about the format of the time series of data contained in the at least one database.

38. (previously presented) The method of claim 31, further comprising:

for each of the time series of data, determining whether the time series of data is redundant of a data series for which information has already been stored.

39. (previously presented) The method of claim 38, further comprising:

if the time series of data is redundant of the data series for which information has already been stored, not storing information about the time series of data.

40. (previously presented) The method of claim 38, further comprising:

if the time series of data is not redundant of the data series for which information has already been stored, storing information about the time series of data.

41. (cancelled)

42. (previously presented) The method of claim 1, wherein the predefined data set is comprised of economic data.

43. (original) The method of claim 42, wherein the economic data is microeconomic data.

44. (original) The method of claim 42, wherein the economic data is macroeconomic data.

45. (previously presented) The method of claim 1, wherein the predefined data set is comprised of demographic data.

46. (previously presented) The method of claim 1, wherein the predefined data set is comprised of meteorological data.

47. (original) The method of claim 1, further comprising for at least one remote database found during the searching:

determining a volatility measurement for at least some of the data of the desired type contained in the at least one remote database; and

storing the volatility measurement in association with the stored location information for the at least one remote database.

48. (original) The method of claim 1, further comprising for at least one remote database found during the searching:

determining a seasonality measurement for at least some of the data of the desired type contained in the at least one remote database; and

storing the seasonality measurement in association with the stored location information for the at least one remote database.

49. (cancelled)

50. (currently amended) A memory for storing information relating to at least one remote database accessible via a network of computer systems, the at least one remote database being comprised of a desired type of data, the memory comprising a data structure, the data structure comprising:

a database key, wherein the database key uniquely identifies the at least one remote database;

location information for the at least one remote database, the location information being stored if the at least one remote database is comprised of the desired type of data, wherein the desired type of data is time series data, and the location information being stored in association with the database key; [[and]]

a data series key for the time series of data, wherein the data series key uniquely identifies the time series of data; and

location information for the time series of data, the location information being stored in association with the data series key.

51. (original) The memory of claim 50, wherein the location information for the at least one remote database is stored regardless of whether the remote database is comprised of the desired type of data, and the data structure further comprising:

data type information, wherein the data type information indicates the type of data contained in the at least one remote database, the data type information being stored in association with the database key.

52. (original) The memory of claim 51, wherein the data type information indicates whether the at least one remote database is comprised of the desired type of data.

53. (cancelled)

54. (original) The memory of claim 50, the data structure further comprising:
database descriptive information about the at least one remote database, the database descriptive information being stored in association with the database key.

55. (original) The memory of claim 50, the data structure further comprising:
database usage information, wherein the database usage information indicates that the at least one remote database is comprised of data that has been used in the predetermined data analysis, the database usage information being stored in association with the database key.

56. (original) The memory of claim 50, the data structure further comprising:
database update information, wherein the database update information is comprised of information about when the at least one remote database was last updated, the database update information being stored in association with the database key.

57. (cancelled)

58. (previously presented) The memory of claim 50, the data structure further comprising:

data series descriptive information about the at least one data series, the data series descriptive information being stored in association with the data series key.

59. (cancelled)

60. (previously presented) The memory of claim 50, the data structure further comprising:

a number of data points in the time series of data, the number of data points being stored in association with the data series key.

61. (previously presented) The memory of claim 50, the data structure further comprising:

a starting time of the time series of data, the starting time being stored in association with the data series key;

an ending time of the time series of data, the ending time being stored in association with the data series key; and

a time interval between each of the data points contained in the time series of data, the time interval being stored in association with the data series key.

62. (previously presented) The memory of claim 50, the data structure further comprising:

data series usage information, wherein the data series usage information indicates that the time series of data is comprised of data that has been used in the predetermined data analysis, the data series usage information being stored in association with the data series key.

63. (previously presented) The memory of claim 50, the data structure further comprising:

data series update information, wherein the data series update information is comprised of information about when the time series of data was last updated, the data series update information being stored in association with the data series key.

64. (previously presented) The memory of claim 50, the data structure further comprising:

data series format information, wherein the data series format information is comprised of information about the format of the time series of data contained in the at least one remote database, and the data series format information being stored in association with the data series key.

65. (original) The memory of claim 50, the data structure further comprising:

database subscription information, wherein the database subscription information is comprised of information about whether payment is required to access the data contained in the at least one remote database.

66. (original) The memory of claim 50, the data structure further comprising:

database access authorization information, wherein the database access authorization information is comprised of information necessary to access the data contained in the at least one remote database.

67. (original) The memory of claim 66, wherein the database access authorization information is comprised of user identification information and a password.

68. (cancelled)

69. (previously presented) A computerized apparatus for locating one or more remote databases containing a desired type of data, comprising:

a computer that searches for at least one remote database, the at least one database being accessible by the computer via a network of computer systems, and that determines whether each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data;

a computer memory that stores location information for each remote database found during searching, the location information being stored in the computer memory if the remote database is comprised of time series data;

wherein the computer determines whether a correlation exists between at least some of the data of the desired type contained in the at least one remote database and at least some of the data of the desired type contained in a predefined data set; and

if the correlation exists, an indication of the correlation is stored in the computer memory in association with the stored location information for the at least one remote database.

70. (previously presented) The computerized apparatus of claim 69, wherein the computer:

selects at least one remote database found during searching that is comprised of the desired type of data for use in a predetermined data analysis;

retrieves data from the selected remote database via the network of computer systems;
and

uses the data retrieved from the selected remote database in the predetermined data analysis.

71. (previously presented) The computerized apparatus of claim 70, wherein, for at least one remote database found during the searching that is comprised of the desired type of data, an indication that the remote database is comprised of data that has been used in the predetermined data analysis is stored in the computer memory.

72. (previously presented) The computerized apparatus of claim 71, wherein, for at least one remote database that is comprised of data that has been used in the predetermined data analysis, the computer determines at a predetermined time interval whether the database has changed; and

if the database has changed, the computer updates the predetermined data analysis using the changed data.

73. (previously presented) The computerized apparatus of claim 72, wherein, for at least one remote database that is comprised of data that has been used in the predetermined data analysis, the computer determines the predetermined time interval on the basis of the frequency of the time series data.

74. (previously presented) The computerized apparatus of claim 72, wherein, for the at least one predetermined data analysis that has been updated, the computer provides an indication to a predetermined user that the predetermined data analysis has been updated.

75. (previously presented) The computerized apparatus of claim 72, wherein, for the least one predetermined data analysis that has been updated, the computer provides the updated predetermined data analysis to a predetermined user.

76. (previously presented) The computerized apparatus of claim 70, wherein the predetermined data analysis is a forecast.

77. (previously presented) The computerized apparatus of claim 76, wherein the forecast is an economic, demographic or meteorological forecast.

78. (previously presented) The computerized apparatus of claim 70, wherein the predetermined data analysis is specified by a user.

79. (previously presented) The computerized apparatus of claim 70, wherein the computer:

selects at least one local database specified by a user, wherein the local database is comprised of the desired type of data for use in a predetermined data analysis;

retrieves data from the selected local database via the network of computer systems; and

uses the data retrieved from the selected local database in the predetermined data analysis.

80. (previously presented) The computerized apparatus of claim 69, wherein:

information about the number of times that a remote database containing the desired type of data is used in at least one predetermined data analysis is stored in the computer memory; and

if the number times the remote database is used in the predetermined data analysis exceeds a predefined value, the data used in the predetermined analysis is stored in the computer memory.

81. (previously presented) The computerized apparatus of claim 69, wherein:

a specification of the desired type of data before the searching and the storing is received by the computer.

82. (previously presented) The computerized apparatus of claim 69, wherein:

the type of data relevant to a predetermined analysis is determined before the searching and the storing.

83. (previously presented) The computerized apparatus of claim 69, wherein, for each remote database found during the searching that is comprised of the desired type of data:

the computer determines information about at least one characteristic of the remote database; and

the information about the at least one characteristic of the remote database is stored in the computer memory in association with the location information for the remote database.

84. (previously presented) The computerized apparatus of claim 83, wherein the information about the at least one characteristic of the remote database is selected from the group consisting of data frequency, data units, data scale, data source, data update date, and number of data points.

85. (previously presented) The computerized apparatus of claim 84, wherein data frequency value is determined by calculating a time interval between individual data values of the desired type that are contained in the remote database.

86. (previously presented) The computerized apparatus of claim 83, wherein the computer determines the at least one characteristic of the remote database from at least one XML data definition tag that is associated with the remote database.

87. (previously presented) The computerized apparatus of claim 83, wherein the computer:

receives from a user a specification of a desired remote database characteristic;
searches the stored remote database characteristic information; and
identifies one or more remote databases having the desired remote database characteristic.

88. (previously presented) The computerized apparatus of claim 87, wherein the computer:

provides information to the user identifying the one or more remote databases having the desired remote database characteristic.

89. (previously presented) The computerized apparatus of claim 69, wherein the computer, in searching for remote databases accessible via the network of computer systems:

reads network address information for at least one computer system within the network of computer systems;

accesses the at least one computer system based on the network address information; and

retrieves information from the at least one computer system sufficient to determine whether the at least one computer system provides access to at least one remote database.

90. (previously presented) The computerized apparatus of claim 89, wherein the computer uses predefined communications protocol to access the at least one computer system and to process the information retrieved from the at least one computer system.

91. (previously presented) The computerized apparatus of claim 90, wherein the predefined communications protocol is TCP/IP.

92. (previously presented) The computerized apparatus of claim 89, wherein the computer uses predefined database formatting information to access the at least one computer system and to process the information retrieved from the at least one computer system.

93. (previously presented) The computerized apparatus of claim 92, wherein the predefined database formatting information is comprised of a plurality of predefined database format definitions.

94. (previously presented) The computerized apparatus of claim 69, wherein the computer, in searching for remote databases within the network of computer systems:

reads uniform resource locator (URL) information corresponding to at least one computer system accessible via the Internet;

accesses the at least one computer system via the Internet;

determines whether the at least one computer system provides access to at least one remote database; and

stores location information for the at least one computer system in the computer memory if the at least one computer system provides access to the at least one remote database.

95. (previously presented) The computerized apparatus of claim 69, wherein the computer, in determining whether the at least one remote database is comprised of data of a desired type:

retrieves HTML formatted information from each computer system found that provides access to at least one remote database; and

parses the retrieved HTML formatted information to determine whether the at least one remote database is comprised of data of the desired type.

96. (previously presented) The computerized apparatus of claim 95, wherein the HTML formatted information is comprised of a meta tag.

97. (previously presented) The computerized apparatus of claim 69, wherein the computer, in determining whether the at least one remote database is comprised of data of the desired type:

retrieves XML formatted information from each computer system that provides access to at least one remote database; and

parses the retrieved XML formatted information to determine whether the at least one remote database is comprised of data of the desired type.

98. (previously presented) The computerized apparatus of claim 69, wherein, for each remote database found during the searching that is comprised of the desired type of data, the computer:

stores in the computer memory an indication of whether the remote database is comprised of time series data in association with the location information for the remote database.

99. (previously presented) The computerized apparatus of claim 98, wherein the computer, for each of the time series of data:

identifies at least one characteristic of the time series of data; and

stores in the computer memory characteristic information for each time series of data in association with the location information for the remote database in which the time series of data is contained.

100. (previously presented) The computerized apparatus of claim 99, wherein the characteristic information is comprised of:

a number of data points in the at least one time series of data.

101. (previously presented) The computerized apparatus of claim 99, wherein the characteristic information is comprised of:

a starting time of the time series of data;

an ending time of the time series of data; and

a time interval between each of the data points contained in the time series of data.

102. (previously presented) The computerized apparatus of claim 99, wherein the characteristic information is comprised of:

data series format information, wherein the data series format information is comprised of information about the format of the time series of data contained in the at least one database.

103. (previously presented) The computerized apparatus of claim 98, wherein the computer, for each of the time series of data, determines whether the time series of data is redundant of a data series for which information has already been stored.

104. (previously presented) The computerized apparatus of claim 103, wherein, if the time series of data is redundant of the data series for which information has already been stored, the computer does not store information about the time series of data.

105. (previously presented) The computerized apparatus of claim 103, wherein, if the time series of data is not redundant of the data series for which information has already been stored, the computer stores in the computer memory information about the time series of data.

106. (previously presented) The computerized apparatus of claim 69, wherein the predefined data set is comprised of economic data.

107. (previously presented) The computerized apparatus of claim 106, wherein the economic data is microeconomic data.

108. (previously presented) The computerized apparatus of claim 106, wherein the economic data is macroeconomic data.

109. (previously presented) The computerized apparatus of claim 69, wherein the predefined data set is comprised of demographic data.

110. (previously presented) The computerized apparatus claim 69, wherein the predefined data set is comprised of meteorological data.

111. (previously presented) The computerized apparatus of claim 69, wherein the computer, for at least one remote database found during the searching:

determines a volatility measurement for at least some of the data of the desired type contained in the at least one remote database; and

stores the volatility measurement in the computer memory in association with the stored location information for the at least one remote database.

112. (previously presented) The computerized apparatus of claim 69, wherein the computer, for at least one remote database found during the searching:

determines a seasonality measurement for at least some of the data of the desired type contained in the at least one remote database; and

stores the seasonality measurement in the computer memory in association with the stored location information for the at least one remote database.